

EST. 1970

THE CAT'S WHISKER.

OFFICIAL VOICE OF THE
CANADIAN VINTAGE WIRELESS ASSOCIATION

VOL. 3 NO. 3.



SEPT. 1973

PRESIDENT: W. CHOAT (VE3CO) 38 GLENVIEW BLV. N. TORONTO, M8X2K2
VICE. PRES: A. M. CROFT GENERAL DELIVERY, CHURCHILL ONTARIO.
TREASURER: SID PRIOR 102 PARKHURST BLVD. TORONTO M4Q2E6 ONT.
SECRETARY: N. C. BATSCH P.O. BOX 51 STATION B TORONTO ONTARIO.



The
Musicone

HOW TO
MAKE A NEW
SPEAKER CONE
PAGE . . 7.

ANNUAL CVWA FALL PICNIC .

.....

You are cordially invited to attend our FALL PICNIC, you will have an opportunity to meet your fellow members, have a picnic in pleasant Woodland Park and acquire some vintage radio gear at our auction make it a date.

THE DATE: - - - Saturday September --- 29 th.

THE TIME: - - - 1 PM sharp (to ca 4 PM)

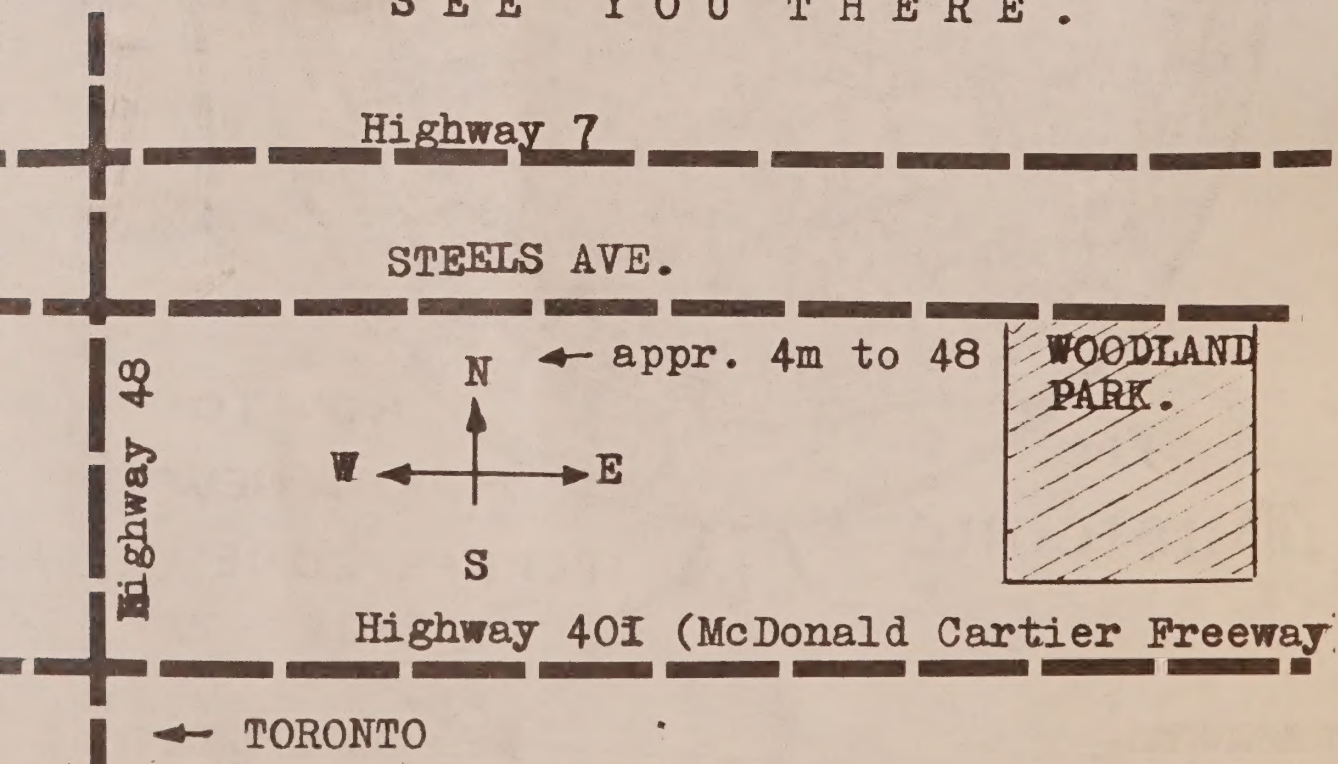
..... Rain or shine pavilion present

THE PLACE: - - - WOODLAND PARK MARKHAM Steels
..... Ave. 4 M east of Highway 48

ON THE AGENDA: Wiener - Roast, Coffee, Donuts, display of early Radio gear, Auction.

Bring along your surplus gear and turn it into cash, there is a pavilion in the park therefore the picnic will be held RAIN or SHINE, for further details phone the Secretary- - - - Tel.# 421 - 4789 Woodland Park Tel.# 294 -0433

S E E Y O U T H E R E .



JUST OFF THE PRESS



NEW 1973 VINTAGE RADIO

Enthusiastic readers bought out our first edition. Now you can send for the fascinating new edition of this pictorial history of wireless and radio, 1887-1929. It's the collector's bible, with 263 pages and over 1,000 illustrations. Available in handbook or deluxe hard cover.

McMAHON'S 1921-1932 GUIDE

Be an instant expert. Lists 9,000 radio models by maker and year introduced, with original price, description and circuit type. A must for every radio buff or antique collector.



G O L D D U S T

From your Treasurer Sid.

Lo and behold fellows, I hate to mention, but as of October 1st. your membership dues are payable for year: Oct. 1973 to Oct. 1974.

CANADIAN - - - - \$ 3,00

U. S. A. - - - \$ 3,25
(25 ¢ U.S. cheque exch.)

Could I ask you to act as soon as possible as our funds are low, and we do not want to raise dues. Knowing you want to continue receiving the "CAT'S WHISKER " so send the Bread Man, as soon as possible.

THANK YOU.

Have you the new improved VINTAGE RADIO BOOK ? It's a must for the dedicated Collector and Historian. Your Treasurer kids you not

SID PRIOR

TREASURER.

Tell Mr. Mc Mahon you read it in the "CAT'S - WHISKER "

C V W A DISPLAY AT THE EXHIBITION .

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The C V W A Radio display was viewed by some $\frac{3}{4}$ mill. visitors at this years CANADIAN NATIONAL EXHIBITION. As in previous years, our display booth was located in the " Arts, Crafts and Hobbies Building. The Exhibition was held from August 15 th. to September 3 th. A recent survey indicated that the Arts, Crafts and Hobbies Pavillion ranks among the top attractions at the C.N.E., which drew 3,5 million in attendance annually.

Our display was a success right from the start, in fact our booth was a busy place particularly on weekends where there was a crowd, indeed young and old visitors showed equal keen interest in learning about the historical artifacts on display. Finally on Friday August 17 th. we were visited by the local C.B.C.-T.V. gang resulting in a live TELECAST from the C.N.E. our Vice President Rev. A.M. Croft described and demonstrated various early receivers to our T.V. viewers.

Our success can only be attributed to our members co-operation and fine "teamwork". Many hours of preliminary planning went into the display. We wish to thank Miss J. Vermont, an interior decorator from Chicago, for her valuable assistance. Another contributing factor, worth mentioning, was a small solid-state A M Oscillator build by S. Pech VE3EVN. The oscillator coupled to a tape recorder enabled us, to transmit pre-recorded tapes containing select tunes from the roaring 1920's. Our visitors were delighted to listen to old receivers playing sounds of a long bygone era.

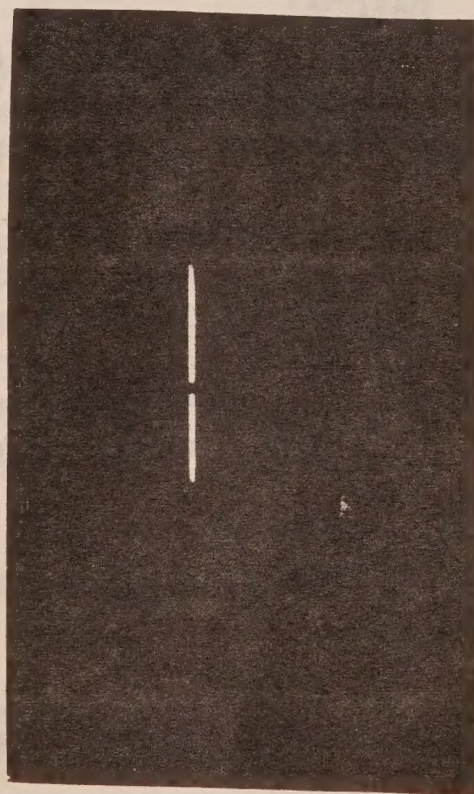
Now for our members, who could not attend let us take a quick tour of our display booth. The whole back wall is divided in 5 large arches, each arch has two shelves, the wall and shelves are decorated with red velvet, the front of the arches and the two side walls are in dark blue velvet. For lighting, 4ft. florescent tubes are secured to the back of each arch column in a vertical fashion. On the shelves are located a select cross section of
regenerative set to a 1932 cathode
described on huge cards beside each
the arches there are 3 glass display
floor model receivers of the early
houses a number of small items,
parts. The centre case holds various
while the right case displays several
as a Radiola IIIA, crystal set, and
large pictures of the pioneers of



OUR Booth at the Can. Nat. Exhibition 1973



*OUR FRIEND across
The Aisle*



*Visit us in 1974
at the C.N.E.*

*The boys were
at the Ex.*

A.W.A. CONFERENCE AT CANANDAIQUA NEW YORK.

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The Conference was held at the Sheriton Inn on the beautiful shores of Lake CANANDAIQUA, south of ROCHESTER N.Y.

Like the Rooster who showed the Hens the Ostich Egg, and said; "I am not complaining Girls, but you see what can be done" so the A.W.A. Boys outdone themselves in the Arrangements, Speakers, Food, Entertainment and the whole bit.

Six CANADIANS attended the Conference, Fred Hammond, and his Son Rob. from Guelph, a very lovely Couple from the Maritimes, Wayne Plunkett and myself.

The Programs presented were exceptionally good. The Tube Collectors Symposium, a panel of knowledgeable Gentlemen who gave us no end of tube information of the old days of Vintage Tubes. The talk on the SUTRO TOWER, in SAN FRANCISCO to take care of all T.V., F.M. and other necessary communication Antenna requirement for the FRISCO Area.

The Portrait of a PIONEER, the late Elmo Pickerill, presented by Bruce Kelly using syncronised Tape and Slides was fantastic. Many other contests, an Auction, Panel Quiz and for the Ladies shopping trips and a Luncheon Visit to the Grange Homestead, an historical building in historical CANANDAIQUA.

A visit to A.W.A.'s. Museum in HOLCOMB N.Y. just a few miles from the Inn was one of the highlights of the Conference, you haven't seen "nothing yet" till you see this, you just stare at the goodies on display of which there is no end. I am not one of those to rave about this and that, but fellow s you owe yourself a Vacation to take. National Historical Radio Conference so ably arranged by the Members of the American, Antique Wireless Association. My honest suggestion is save your pennies for the 1974 Conference wherever it is, you will never regret it.

Sid Prior
Treasurer, C.V.W.A.

TUSKA RADIO

$\frac{1}{2} \quad \frac{1}{3} \quad \frac{1}{4} \quad \frac{1}{5} \quad \frac{1}{6} \quad \frac{1}{7} \quad \frac{1}{8} \quad \frac{1}{9} \quad \frac{1}{10} \quad \frac{1}{11} \quad \frac{1}{12} \quad \frac{1}{13} \quad \frac{1}{14} \quad \frac{1}{15} \quad \frac{1}{16} \quad \frac{1}{17} \quad \frac{1}{18} \quad \frac{1}{19} \quad \frac{1}{20}$

By George Publow.

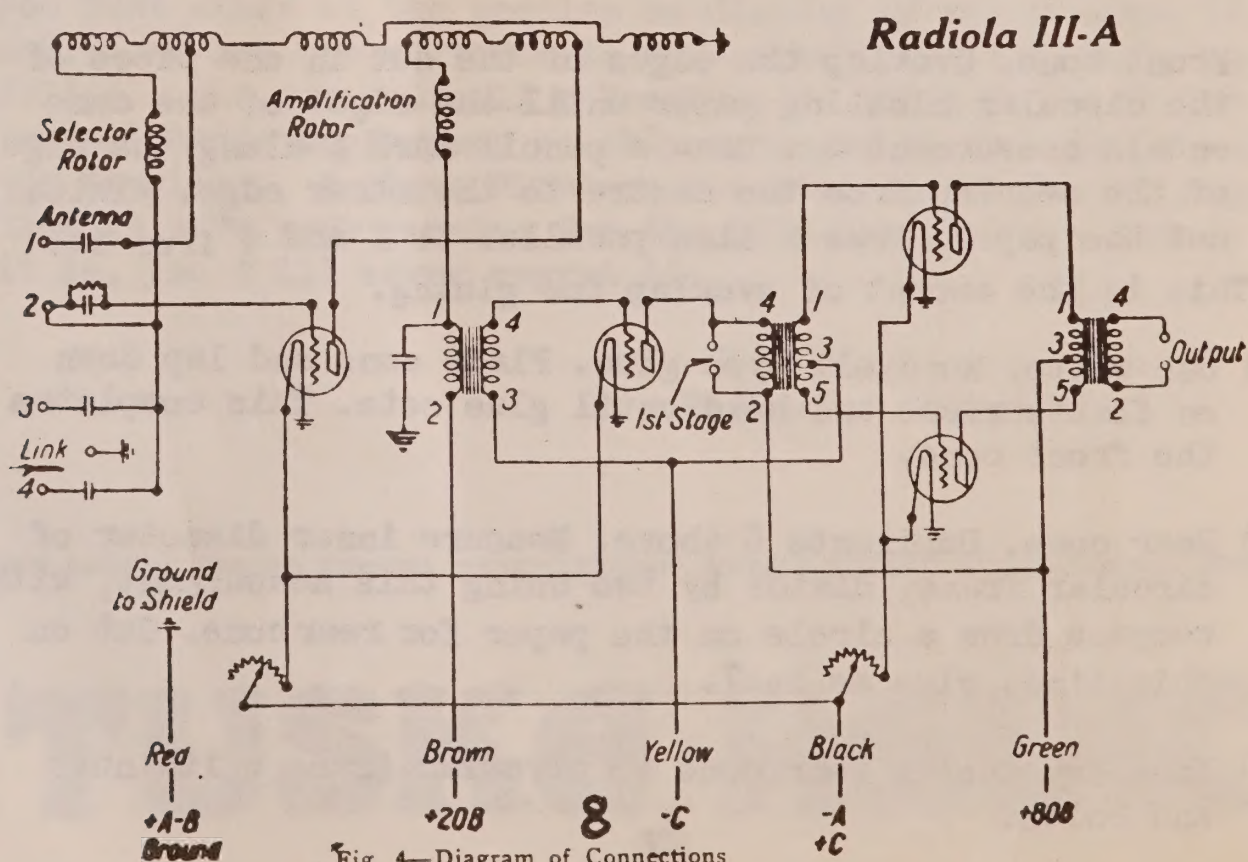
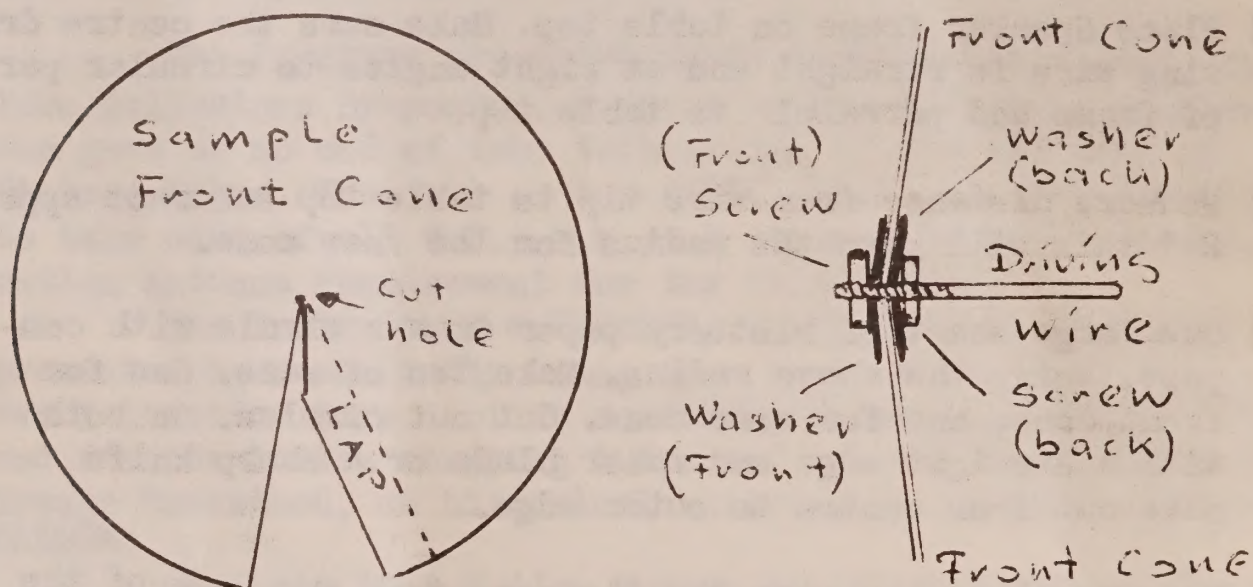
To make a paper Cone Speaker is easier, in a way, than trying to describe "how to".

- 1) Measure radius of old cone if enough remains. Loosen set screws on wire tip , and small bolts holding cone to frame. Remove old cone.
- 2) Place Speaker frame on table top. Make sure the centre driving wire is straight and at right angles to circular part of frame and parrallel to table top.
- 3) Measure distance from wire tip to table top subtract apprx. 2 " this will give the radius for the new cone.
- 4) On a large sheet of blottery paper draw a circle with compass, using the above radius. Make two of same. One for front cone, one for rear cone. Cut out circles. On both with a straight edge and razor blade or a sharp knife make cut from centre to outer edge.
- 5) Measure along the wire the distance from the end of the driving wire to a straight line across the front of the circular frame. Divide this measurment by two.
- 6) Front cone. Overlap the edges of the cut in one piece of the circular blotting paper until the hight of the cone equals measurment 5 . Draw a pencil mark X along the edge of the overlap from the centre to the other edge. Flatten out the paper. Draw a line parallel to X and $\frac{1}{2}$ from it. This is the amount of overlap for gluing.
- 7) Use white, Bond all type glue. Place cone and lap down on flat surface and hold until glue sets. This completes the front cone.
- 8) Rear cone. Duplicate 6 above. Measure inner diameter of circular frame, divide by two Using this measurment, with compass draw a circle on the paper for rear cone. Cut on this line. glue as in 7.
- 9) When dry fasten rear cone to circular frame with nuts and bolts.

IO) Lay speaker frame on its back. Place centre hole of front cone over driving wire and glue the other edges of front and rear cone together. You can use a number spring type clothes pins to hold the edges.

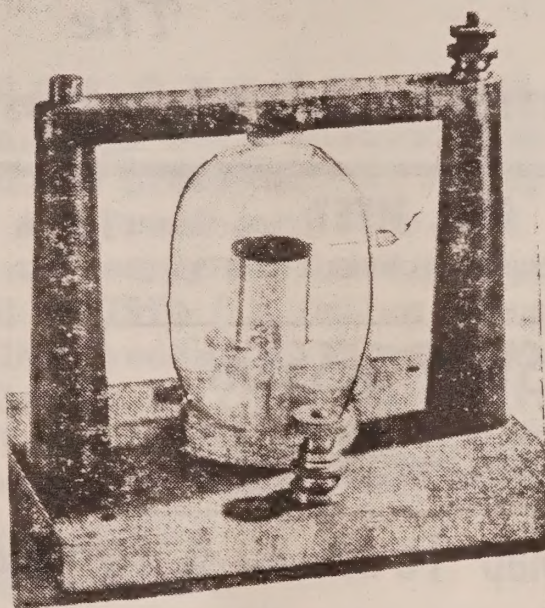
II) When the edges are dry, put the little metal piece with the set screw on the driving wire and glue the metal piece to the cone 5 minute Epoxy glue.

The blotting paper is as used on desk pads and obtainable at most stationary stores. Thin cardboard can also be used,





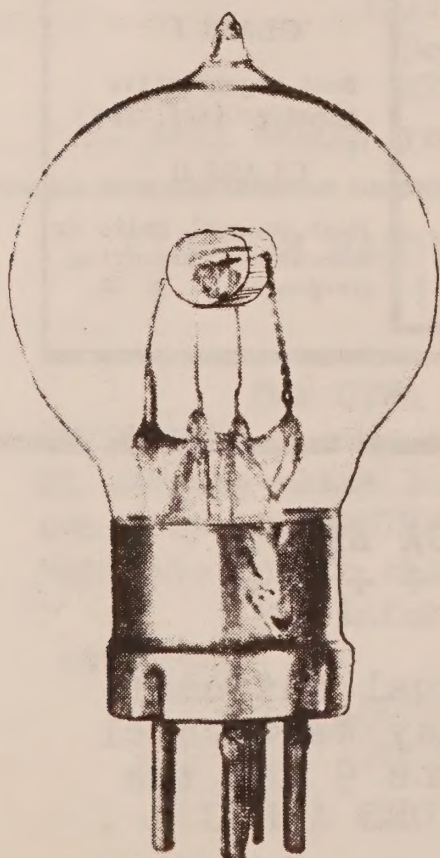
In 1889, in his capacity of consultant to the Edison & Swan United Electric Light Company, Professor John Ambrose Fleming of London University was investigating the "Edison Effect" in electric lamps. He had a special experimental lamp made by EDISWAN, containing a plate in addition to the filament, with which he observed thermionic rectification.



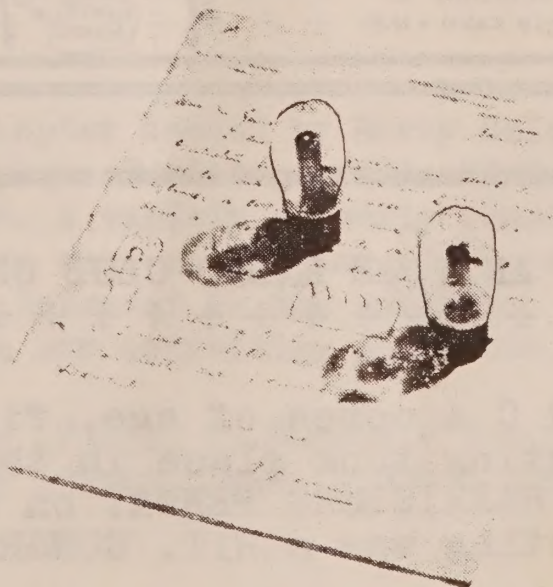
In 1904 he proved that this device could be used to detect radio frequency oscillations. EDISWAN made 12 prototype diodes (one is shown above) which were used in his experiments leading to British Patent No. 24850 of 16 November 1904 for the world's first radio valve.

From 1906 onwards, EDISWAN made small quantities of "Fleming Oscillation Valves" for use as detector diodes.

In 1916, EDISWAN was Britain's first manufacturer to start quantity production of triode valves, urgently needed for military communications. The first type was "Royal Ediswan ESI", a general purpose bright emitter triode.



Royal Ediswan Type ESI triode, 1916



Royal Ediswan Type A diode, 1906

RINGSIDE IN VINTAGE RADIOLAND.

"An amateur organization devoted to the history of wireless"

The Antique Wireless Association, Inc.



FALL MEET

SATURDAY, OCTOBER 13, 1973

SWAP SESSION

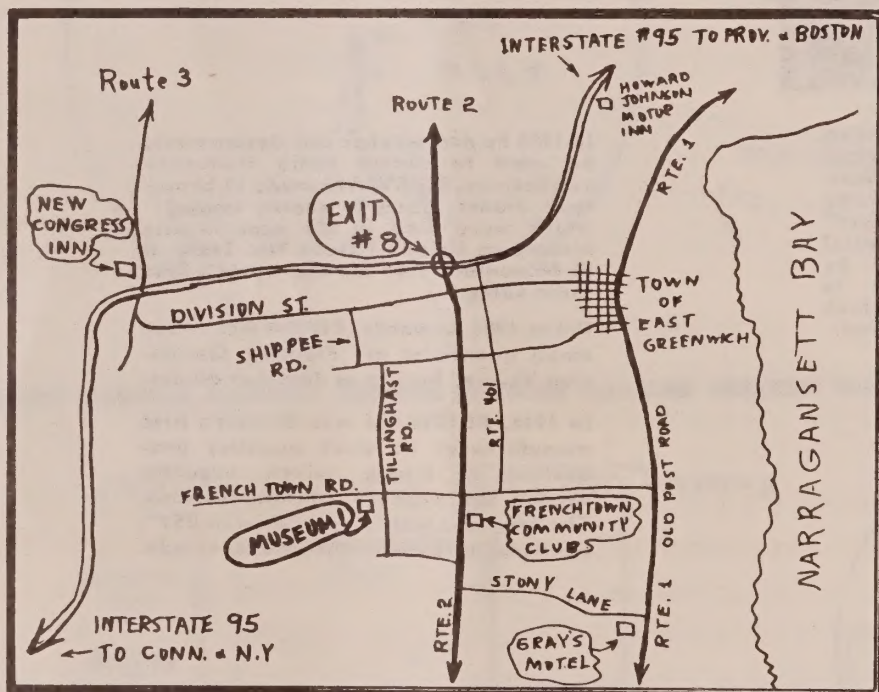
Opportunity to leisurely swap old receivers, magazines and other early items....



THE NEW ENGLAND MUSEUM
OF WIRELESS AND STEAM, INC.

Map To *The New England Wireless Museum*

TILLINGHAST ROAD, EAST GREENWICH, RHODE ISLAND 02818



LUNCHEON

12 NOON

Short talks of
historical
interest...
Restoring old
equipment:
"Show and tell"

OLD TIME CONTEST

CLASS I

Best regenerative
receiver (any type)

CLASS II

Most unusual radio or
electrical measuring
device.

ANTIQUE RADIO CLUB OF AMERICA NEWS.

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A R C A comes of age, first Annual National Meeting took place in the Holiday West Motel in HARRISBURG PENNA. on Sat. June 9 th. the Meeting was a HIT. CONGRATULATIONS A R C A .

THIS AND THAT.

ANOTHER A. K. BREADBOARD TURNS UP AT THE C.N.E.
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Attending this years C.N.E./C.V.W.A. booth was a worthwhile venture for Bill Jackson. Bill met a visitor from whom he obtained a Atwater Kent Mod. IO Breadboard at a very reasonable price. (welcome to the A.K.Breadboard club Bill) This priceless relics seem to turn up yearly at the C.N.E., first M. Loughren obtained a Mod. IO in 1970 (A fellow brought it in a basket all in piecess.) last year's winner was Mike Cox who ended up with a Mod. II, let me tell you fellows it sure is worth while to tend the C.V.W.A. booth at the C.N.E.

RECOMMENDED LITERATURE.

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There are two fine articles in the Sept.-Oct. issue of the ELEMENTARY ELECTRONICS MAGAZINE, of interest to vintage radio buffs. One is titled "ANTIQUE RADIO CORNER" which is well written by J.A.Fred, and the other titled "ANTIQUING AN OLD TUBE INTO ANTIQUITY" the autor is F.Trauffer (CVWA memb)

The magazine is available in most Variety stores across CANADA and the U.S. If you wish to subscribe write to;

J.S.Martin WA2CQL

EDITOR "THE ELEMENTARY ELECTRONICS "

Box 886, ANSONIA STATION.

NEW YORK, N.Y. 10023.

P.S. tell WA2CQL you read it in the "CAT'S WHISKER"

VINTAGE RADIO DISPLAY IN QUEBEC.

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Our CVWA QUEBEC chapter headed by Barry Coleman VE2BD held a successful display of vintage radio at a MONTREAL shopping plaza last August. A variety of early receivers owned by our MONTREAL members were on display. It is reported that the public showed keen interest in the exhibit.

For information on our activities in Quebec, please contact;

Barry Coleman ,VE2BD, 75 Parkdale Ave.

POINT CLAIRE? QUEBEC. Tel. # 697 - 1617

Continued

BOB HILLIS MAKES HEADLINES IN LOCAL NEWSPAPER.

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Bob Hillis from ESTES PARK COLORADO send us a clipping from the local newspaper which described Bob's antique Radio collecting hobby. A photograph shows A smiling Bob holding his favourite CROSLEY PUP receiver the first type of Radio he ever used as a youngster. "This little set picks up 15 to 20 stations," says Bob, adding that he is looking for another receiver like this for his collection.

Congratulations Bob on a fine collection and a great Newspaper story. Anyone wishing to write Bob Hillis his Address is;

R. Hillis , P.O.Box 1616 ESTES PARK
COLORADO, 80517.

It was brought to my attention that an outstanding private Vintage Radio Collections was not mentioned in our recently published Historical Radio Museums List. The Collection is;

"VOICE OF THE TWENTIES."

Ralph O. Williams
371 King of Prussia Rd.
WAYNE, PENNA.

Ralph owns a fine collection of early Battery gear incl. a large number of A.K. Breadboards on which he has written several Articles.

W A N T E D .

80 meter band spread coil set for my
NATIONAL SW-3 receiver.

Fred Rice WA3KIO
1933 Graymount Str
PHILADELPHIA, PENNA. 19116.

NOTICE. THE Q.R.K. SECTION WILL RESUME IN THE
NEXT ISSUE.

無線電報

Perhaps you do not recognize what this means. We'll say it is a mouthful! Next time you get tired of saying "radio" just call it *wu-shien-dien-bao* for a change. Yes, sir, it is the same old wireless, only it is in Chinese this time, and if you don't believe it, we will give you the translation verbatim, for *wu-shien-dien-bao* means "without wires electrical message." We'll say it is descriptive, if nothing else.

And the very next time you get tired of wearing your "tin cans" on your head, do

not speak of them as telephone receivers, simply call them "*dien-haw*" which not only sounds nicer but is Chinese as well, meaning "electric talk instruments." How do they get that way, we ask?

Then if you own a "tin lizzy," you will now have to call it "*tsi-shing-cha*," meaning "self-traveling carriage." (P. S. We forgot to ask our informant what the Chinese call their "self-traveling carriages" when the latter go on strike and have to be "horse traveled" or simply pushed!) We

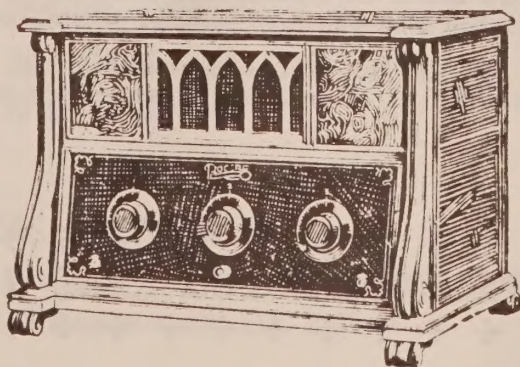
are just now engaged in writing to our Chinese correspondent to find out what a few simple little things such as wavelength, 15-step amplifier, heterodyne receivers, Honeycomb-Litzdraht-variometer-coils, and similar ones mean, when translated into chop-suevédoise!

P. S.₂ It just occurred to us that the Chinese probably cannot use Galena Detectors. With such talk (look at headline) the sensitive spot surely would be knocked out.

EARLY CANADIAN RECEIVER - 1925 ROGERS.

TYPE 110

Rogers Super A/C Table Model, 5-Tube Set with Loud Speaker in built. No "A" Batteries — no "B" Batteries. Equipped with 5 A/C Tubes and Rogers Patented Power Unit. Transcontinental Range without an aerial. Solid walnut cabinet. Price \$335. (Without "B" Eliminator \$275). Also made in Console Model with legs. Type 100 Price \$370. (Without "B" Eliminator \$310).



HISTORY OF CHAB

On April 22, 1922, CHAB went on the air as an amateur broadcasting station with the call letters "10AB". With a power of 10 watts and broadcasting from the Moose Jaw Fire Hall, "10AB" was Canada's first publicly owned radio station and was financed through dollar donations from Moose Jaw and district residents. Jack Brickett was the chief engineer and Alf Jacobson joined shortly after. Early in 1923 the transmitter power was increased to 50 watts and 10AB moved to tiny studios in the YMCA building. At this time Alf Jacobson served as technician, producer, writer and announcer. 10AB was off the air for a short period near the end of 1923 due to lack of finances but was back on the air on December 15, 1923 when the Moose Jaw Radio Association took over the station. From this date to 1933, with studios located on the fourth floor of Bellamy's Furniture, it was operated successfully.

Big change came for 10AB in 1933 and 1934 — the call letters were changed to CHAB, power was increased to 100 watts, and the station went commercial. The studios were moved to rented rooms in the Grant Hall Hotel and the company "CHAB Ltd." was founded with Alf Jacobson as president and Carson Buchanan as secretary-manager.

During the next few years modifications were made to equip the station with soundproof control rooms, record library, offices and studios. The station also steadily increased its listening areas as follows:— in 1938 daytime power was increased to 250 watts; in 1941 day and night power upped to 1000 watts, and in 1946 a 5000 watt transmitter was installed at Boharm, Sask.

The earmarks of radio broadcasting in the thirties and forties was local talent and network features and CHAB had plenty of both. Many amateur talent programs were established; among them was the famous "Golden Memories"; Canada's oldest continuous Sunday program, hosted by William M. Schultz. In 1942 the name "Golden Memories" was changed to "Sunday at Home" and remains Canada's oldest continued radio feature. It is still broadcast weekly with host Cy Knight who boasts the longest record with one radio station of any broadcaster — 31 years. Two other features heard weekly on CHAB are "Mrs. Hall's Kiddies Show" and "Music in Colour". Mrs. Ethel Hall produces the kiddies' show and has been associated with CHAB for thirty-five years. The Music in Colour Show is produced by Mrs. Helen Tait who also has a long association of thirty-one years with CHAB. During this period many popular entertainers of the day made their talents available for network humor, variety shows and programs such as "Amos and Andy"; "Bob Hope Show"; "Jack Benny"; "Lux Theatre", and let's not forget the soap opera serials which were a part of CHAB's daily fare until the early fifties.

The gradual shift from radio network to fully localized programming was made by CHAB without the least strain. In the fifties and sixties CHAB continued to operate successfully and became recognized as one of the more progressive stations in community involvement. Awards began to come in and every year more have been added. To mention every award would not be feasible but anyone visiting the station can see them on view in the lobby. In 1958 CHAB became the first station to win the John J. Gillan award twice. In the late 1930's the CHAB Christmas Party Fund was born to bring aid to orphans, and in 1955 twelve Unitarian Service children were added. Currently the fund provides the Christmas party for approximately sixty children in the Indian Head orphanage and aids in the twelve Unitarian children being fed, clothed and educated; the latter is the largest number supported by any radio station. Every year since 1957 CHAB has been donating a Moose Jaw "Citizen of the Year" and "Sportsman of the Year" awards:— names are submitted by anyone wishing to do so and the winners are selected by an impartial panel of judges.

In 1958, CHAB was purchased by Jack D. Moffat and his brother, Lloyd; after Lloyd's death the station was operated by Jack Moffat until 1969 when it was purchased by Moffat Broadcasting Ltd., of whom Lloyd's son Randy is the president.

Today, the station operates out of modern studios at 116 Main St. North, and, as well as its city listeners, serves one of Saskatchewan's largest farm audiences.

TELL THEM YOU READ IT IN THE CAT'S WHISKER.

THE TRADING POST

FOR SALE.

My entire Antique Radio Collection consisting of a large amount of early receivers, speakers, tubes e t c to numerous to mention sacrifice at **only \$1600** for the lot, prefer to sell to one buyer. For further information including a detailed list please write to;

J.E. Miller Jr.
5369 Youngridge Dr.
PITTSBURGH P.A. 15236
Tel.(412) 65562925

FOR SALE.

Old Radio schematics, alignment data, voltage readings e t c for most early receivers from 1920 to 1950. When ordering please give as much info. as possible stating; make, year, mod #, cat #, type, tube layout drawing e t c. Also available limited quantity of repr. booklets from original instructions manuals for; Radiola III, III A, 18, 50, Westinghouse 57, S.c. A I, and many more send inquiries to;

N.C. Batsch
278 Sutherland Dr.
TORONTO, M4G 1J3, ONT.
C A N A D A .

WANTED.

Chassis for Rogers batteryless set type 50 also for Rogers batteryless Type 462I (gothic style) I urgently need any early Western Electr. power tubes and one each W.D-II, R 2I5 a, Peanut (o.c fil. o.k.) for my vacuum tube collection, am willing to trade or buy .

Peter Halischuk
15 Sir Pellios Terr.
MARKHAM LEP 2Z6 ONT.
C A N A D A .

AVAILABLE.

Some back Issues of the CAT'S WHISKER before ordering inquire with the Editor. Only \$1.00 per copy if order confirmed send cheque to: Treasurer S. Prior.

W A N T E D .

W.W. I Army Field Telephone , will buy or trade have some early European vacuum tubes .

Athens Radio Museum
C. Petsikopoulos
44 Atlantos Str.
ATHENS P. FALION
G R E E C E .

W A N T E D .

Schematic for 1927 " Neutrowound " also Bronze belt for tuning condensers of my Atwater Kent mod. 30 .

Larry A. Woody
Rt. 3 Box. 528
POULSBORO, WASH. 98370
U S A

W A N T E D .

Atwater Kent Breadboard radios, compl. or incomplete, and Atwater Kent parts regardless of condition.

Arnold Schwartz
7055 Lemox Ave.
VAN NUYS, CALIF. 91405
U S A

W A N T E D .

Please can you help I require 5 tubes for my old battery set they are; 1N5, 1A7, two 1C5, 1C4. I also need a volume contr. knob and a tuning Dial with needle for my R.C.A. mod. 5K2 Floor Mod. I am the youngest C V W A member and would be pleased to hear from you if have the above mentioned items.

Dave Russel
465 Deloraine Ave.
TORONTO, M5M 2C1, ONT.
C A N A D A .